CE

PC5320 Multiple Wireless Receiver Module
Installation Instructions

The PC5320 connects to the primary Keybus of a control panel* and provides four secondary 4-wire connections for up to four wireless receivers. **The PC5320 does not provide additional zones but enables the 32 zones to be distributed over a greater area.** When programming the first wireless receiver module information, all of the information is stored identically in all of the connected modules..

Figure 1 PC5320 Module

TAM RED BLK PYEL PGRN   RED BLK YEL GRN1 GRN2   RED BLK YEL GRN3 GRN4
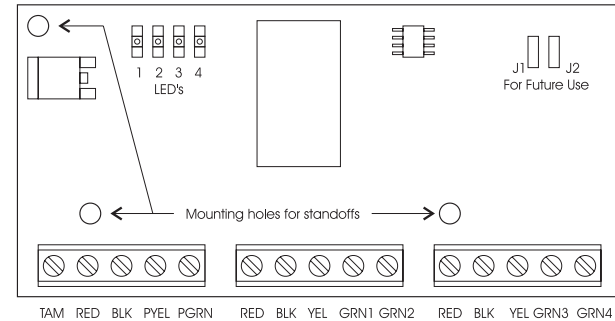
SPECIFICATIONS

- Voltage Range...12V$_{DC}$ - 14V$_{DC}$
- Current...55mA, plus current draw of each receiver module connected.

Compatible Receiver Modules

- PC5132 (v3.0 or greater)
- PC5132-433 (v3.0 or greater)
- LCD5501Z32-433 (v3.0 or greater)
- LCD5501Z32-900 (v3.0 or greater)

Note: All receivers MUST be the same frequency & version

*Compatible Control Panels

PC580	P-48
PC585	P-6B
PC1555(MX)	P-6B(MX)
PC1565	P-832
PC5008	P-8+
PC5010	
PC5015	
PC5020	

LED Field

The LEDs on the PC5320 indicate the status of the connected receiver modules. The four LEDs on the PC5320 PCB indicate the status of the connected receivers. The LEDs will not turn on until at least one wireless zone serial number has been programmed. If the PC5320 module loses communication with the receiver, the corresponding LED will flash. If there is a problem with the Keybus between the panel and the PC5320, all LEDs will flash.

Zone Supervision

All zones are supervised by all of the receivers connected. A zone supervisory trouble will occur if a transmitter supervisory signal is not received by any of the connected receivers during the programmed time period.

Zone Tampers, Violations, and Restorals

Zone tampers, violations and restorals are processed by the PC5320. When a receiver connected to the PC5320 detects a tamper, violation, or restoral, the PC5320 will send the information to the panel.

Module Tampers & Troubles

The PC5320 tamper has a tamper input. If the PC5320 has a tamper condition the panel will display 'PC5132 Tamper'. If a receiver connected to the PC5320 has a tamper condition, the panel will display 'PC5132 Tamper'. The tamper trouble will not be restored until the tamper is restored on the PC5320 module and all connected receivers.

INSTALLATION - Refer to Figures. 1,2, and control panel *Installation Manual* for wiring details.

1. Select a location - Select a location that ensures that the maximum wire run distances do not exceed the guidelines indicated in Figure 2. The PC5320 can be mounted in the existing control panel or a separate plastic housing (refer to the control panel *Installation Manual*). Locate module so that service personnel will have easy access to the LEDs for troubleshooting and diagnostics.

2. Remove System Power

3. Install PC5320 Module - Insert the three standoffs (provided) into the cabinet. Press firmly until standoffs click into place. Align the module mounting holes over the standoffs and press module firmly into place. Route the secondary bus wire in accordance with local regulations.

4. Wiring Receivers - Wire the receivers to the secondary terminals of the PC5320 module as follows. RED, BLK and YEL are common to all receivers. Connect the GRN wire of each receiver to GRN1, GRN2, GRN3 and GRN4 as required.

> **NOTE:** *One receiver MUST be connected to GRN1 to ensure proper operation.*
>
> **NOTE:** *Ensure that the connections to the terminals are secure before applying power.*

5. Enroll Zones - Refer to the receiver *Installation Manual* to enroll wireless devices. Enroll each wireless device and then program the zones and partitions as required.

NOTE: *The control panel sees the the PC5320 as a single receiver. Programming is passed through the PC5320 to all receivers, so that they are all programmed identically.*

6. Perform Module Placement Test

The module placement test is used to find a good location for the transmitter. Perform multiple module placement tests before mounting a transmitter to ensure good placement (refer to the receiver *Installation Manual* for more information.

The PC5320 will send the best test to the panel. For example, if one receivers indicates a 'Bad' test result, and one displays a 'Good' test result, then a 'Good' test result will be displayed.

NOTE: *The control panel will not allow a module placement test on a zone if one or more receivers do not have a serial number for a zone programmed. The keypad will emit a steady error tone when the zone number is entered. This can happen if a receiver is added or replaced after the initial programming. If a receiver is added or replaced after initial programming, all wireless data must be programmed again. The information can be downloaded or programmed using a keypad.*

NOTE: *When programming using a keypad, the correct wireless information may appear on the display. Re-enter the information by typing over the displayed information with the same information.*

7. PC5132 Programming

Wireless programming is not allowed if any of the receivers connected to the PC5320 are in supervisory trouble (i.e., missing from the Keybus). If a receiver is removed from the PC5320, the PC5320 supervision must be reset. To reset PC5320 supervision, turn ON option [1] in section [804], subsection [97]. After resetting supervision, the PC5320 will automatically turn the option OFF.

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Press [*8] [Installer Code] [804] [97] [1] [#]

Default		Option	ON
OFF	|___|	1	Reset PC5320 Enrolled Field
OFF	|___|	2	Not Used
OFF	|___|	3	Not Used
OFF	|___|	4	Not Used
OFF	|___|	5	Not Used
OFF	|___|	6	Not Used
OFF	|___|	7	Not Used
OFF	|___|	8	Not Used

NOTE: *If a wireless zone is violated when in Installer Programming, the zone will show as violated when programming is exited. After exiting programming, ensure that the status of all wireless zones is correct. If a wireless zone indicates it is violated when it is actually secure, the zone must be violated, then restored to confirm proper zone status.*
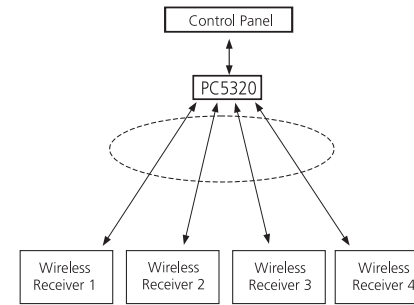
Figure 2 PC5320 Wiring Diagrams

Figure 2a Connecting the PC5320 to the Panel.

The total wiring for the PC5320 and all receivers connected to the PC5320 must not exceed 750ft (228.6m).
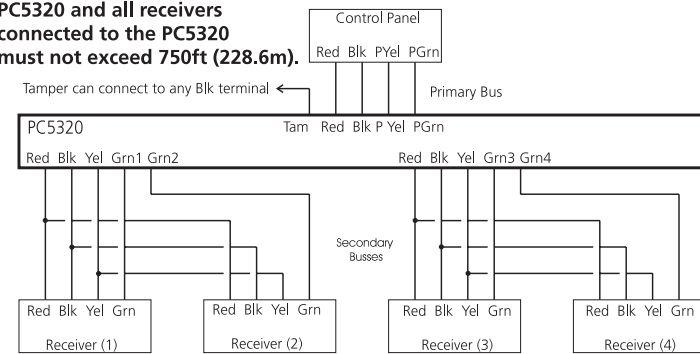

Figure 2b Connecting the PC5320 to the Panel with a Separate Power Supply

In this configuration, the wire distance for each receiver can be up to 750ft (228.6m) from the PC5320.